

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 1000 Natomas**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	18.28	10/04/2018 10/08/2018	Sterling York

LM Start		Rating **	A	Issue No.	<b>18</b>
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD1000_01_f_2014_18				
Comment Code					
Inspector Comment					
RD 1000 has a copy of the O&M manuals at their district office.					

No Photos

LM Start		Rating **	A	Issue No.	<b>24</b>
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD1000_01_f_2014_24				
Comment Code					
Inspector Comment					
RD 1000 has flood fight supplies on hand at their equipment yard located near Unit 4.					

No Photos

LM Start		Rating **	A	Issue No.	<b>39</b>
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD1000_01_f_2014_39				
Comment Code					
Inspector Comment					
RD 1000 employees attend the DWR flood fight class held at CalExpo annually.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	18.28	10/04/2018 10/08/2018	Sterling York

LM Start	0.00	Rating **	A	Issue No.	6
LM End	11.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.780453 °	38.649883 °
				-121.603402 °	-121.577773 °
DWR ID	DWR_RD1000_01_f_2018_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual Vegetation is well maintained, Fall 2018.					

Photo 1 of 1 : FA\_2018\_RD1000\_31\_6\_20181022\_00048.jpg



View looking upstream waterside of the well maintained vegetation, Fall 2018.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	11.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.780453 °	38.649883 °
				-121.603402 °	-121.577772 °
DWR ID	DWR_RD1000_01_f_2018_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual Vegetation is well maintained, Fall 2018.					

Photo 1 of 1 : FA\_2018\_RD1000\_31\_3\_20181022\_00047.jpg



View looking upstream landside of the well maintained vegetation, Fall 2018.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

# Reclamation District No. 1000 Natomas

LM Start	<b>5.21</b>	Rating **	A/W	Issue No.	<b>4 (cont)</b>
LM End	<b>5.21</b>	Issue Type +	Ma	Location *	

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Unit No. 01 Sacramento River	Left	18.28	10/04/2018 10/08/2018	Sterling York

LM Start	<b>5.21</b>	Rating **	A/W	Issue No.	<b>4 (cont)</b>
LM End	<b>5.21</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.710830°	38.710830°
				-121.611100°	-121.611100°
DWR ID	DWR_RD1000_01_f_2017_4				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:45					
Site Designation:LMA-12					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:6/6/2017					
Notes: private residence					

Photo 3 of 3 : LEVAL\_FA\_2018\_45\_1261.jpg



LM Start	<b>14.25</b>	Rating **	M	Issue No.	<b>57</b>
LM End	<b>14.27</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.624446°	38.624073°
				-121.560337°	-121.560346°
DWR ID	DWR_RD1000_01_s_2015_57				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Reclamation District No. 1000 Natomas**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 American River	Right	2.32	10/04/2018 10/08/2018	Sterling York

LM Start	0.00	Rating **	A	Issue No.	1
LM End	2.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.603971°	38.605807°
				-121.510868°	-121.470672°
DWR ID	DWR_RD1000_02_f_2018_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2018.					

Photo 1 of 1 : FA\_2018\_RD1000\_32\_1\_20181108\_00006.jpg



View looking downstream Landside of the well maintained annual Vegetation, Fall 2018.

LM Start	0.01	Rating **	A	Issue No.	2
LM End	2.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.604057 °	38.605807 °
				-121.510719 °	-121.470672 °
DWR ID	DWR_RD1000_02_f_2018_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2018.					

Photo 1 of 1 : FA\_2018\_RD1000\_32\_2\_20181108\_00007.jpg



View looking downstream waterside of the well maintained annual Vegetation, Fall 2018.

LM Start	0.04	Rating **	C	Issue No.	3
LM End	1.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.604335 °	38.607683 °
				-121.510295 °	-121.482819 °
DWR ID	DWR_RD1000_02_f_2016_3				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trees have been trimmed high enough to allow visibility over 20 feet down the water side slope. Fall 2018.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Reclamation District No. 1000 Natomas**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 American River	Right	2.32	10/04/2018 10/08/2018	Sterling York

LM Start	0.76	Rating **	C	Issue No.	12
LM End	1.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.608038 °	38.607139 °
				-121.498214 °	-121.481040 °
DWR ID	DWR_RD1000_02_f_2017_12				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trees have been trimmed for visibility and access, Fall 2018.					

No Photos

LM Start	1.60	Rating **	C	Issue No.	9
LM End	2.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.607683 °	38.605372 °
				-121.482819 °	-121.471962 °
DWR ID	DWR_RD1000_02_f_2017_9				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trees have been trimmed for visibility and access, Fall 2018.					

No Photos

**\* Location**  
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WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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**Reclamation District No. 1000 Natomas**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Natomas East Canal	Right	16.93	10/04/2018 10/04/2018	Sterling York

LM Start	0.03	Rating **	A	Issue No.	6
LM End	16.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.606254 °	38.821603 °
				-121.470197 °	-121.542329 °
DWR ID	DWR_RD1000_03_f_2018_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2018.					

Photo 1 of 1 : FA\_2018\_RD1000\_33\_6\_20181108\_00014.jpg



View looking downstream landside of the well maintained annual vegetation, Fall 2018.

LM Start	0.03	Rating **	A	Issue No.	11
LM End	16.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.606254 °	38.821603 °
				-121.470197 °	-121.542330 °
DWR ID	DWR_RD1000_03_f_2018_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2018.					

Photo 1 of 1 : FA\_2018\_RD1000\_33\_11\_20181108\_00015.jpg



View looking downstream waterside of the well maintained annual vegetation, Fall 2018.

LM Start	0.05	Rating **	M	Issue No.	12
LM End	0.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.606449 °	38.606449 °
				-121.469950 °	-121.469950 °
DWR ID	DWR_RD1000_03_s_2018_12				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Foot path with steps cut into levee at this location needs to be repaired.					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Reclamation District No. 1000 Natomas**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Natomas East Canal	Right	16.93	10/04/2018 10/04/2018	Sterling York

LM Start	0.23	Rating **	A/W	Issue No.	20
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.608814 °	38.608814 °
				-121.468469 °	-121.468469 °
DWR ID	DWR_RD1000_03_f_2015_20				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is a foot path up the slope of the levee but it has not damaged the integrity of the levee enough to warrant an M rating. This path should be monitored and maintained to avoid a future maintenance issue.					

No Photos

LM Start	1.44	Rating **	A/W	Issue No.	18
LM End	1.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.626111 °	38.626111 °
				-121.470575 °	-121.470575 °
DWR ID	DWR_RD1000_03_f_2015_18				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is a foot path up the slope of the levee but it has not damaged the integrity of the levee enough to warrant an M rating. This path should be monitored and maintained to avoid a future maintenance issue.					

No Photos

LM Start	1.93	Rating **	M	Issue No.	14
LM End	1.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.633110 °	38.633110 °
				-121.471868 °	-121.471868 °
DWR ID	DWR_RD1000_03_f_2018_14				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Rut caused by foot traffic should be repaired, Fall 2018.					

Photo 1 of 1 : FA\_2018\_RD1000\_33\_14\_20181108\_00017.jpg



View looking down the landside levee slope at a rut created by foot traffic, Fall 2018.

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### Reclamation District No. 1000 Natomas

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Natomas East Canal	Right	16.93	10/04/2018 10/04/2018	Sterling York

LM Start	2.36	Rating **	M	Issue No.	15
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.639326 °	38.639326 °
				-121.473107 °	-121.473107 °
DWR ID	DWR_RD1000_03_f_2015_15				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA\_2018\_RD1000\_33\_15\_20180918\_00011.jpg



View of the landside levee slope damaged by foot traffic.

LM Start	2.74	Rating **	A/W	Issue No.	16
LM End	2.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.644796 °	38.644796 °
				-121.474135 °	-121.474135 °
DWR ID	DWR_RD1000_03_f_2015_16				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is a foot path up the slope of the levee but it has not damaged the integrity of the levee enough to warrant an M rating. This path should be monitored and maintained to avoid a future maintenance issue.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Natomas East Canal	Right	16.93	10/04/2018 10/04/2018	Sterling York

LM Start	4.78	Rating **	A/W	Issue No.	1
LM End	4.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.672913 °	38.673685 °
				-121.481364 °	-121.483115 °
DWR ID	DWR_RD1000_03_f_2013_1				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several bait traps line the levee toe, no sign of rodents, Fall 2018.					

Photo 1 of 1 : FA\_2018\_RD1000\_33\_1\_20180918\_00001.jpg



View taken facing the landside looking downstream at location where there was rodent activity in past years. Rodent holes have been filled and no new activity was observed. Several bait traps at landside levee toe. Fall 2017.

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**Reclamation District No. 1000 Natomas**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Natomas Cross Canal	Left	4.30	10/04/2018 10/04/2018	Sterling York

LM Start	0.07	Rating **	A	Issue No.	13
LM End	4.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.820092 °	38.781976 °
				-121.544880 °	-121.603185 °
DWR ID	DWR_RD1000_04_f_2018_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2018.					

Photo 1 of 1 : FA\_2018\_RD1000\_34\_13\_20181108\_00002.jpg



View looking upstream landside of the well maintained annual Vegetation, Fall 2018.

LM Start	0.07	Rating **	A	Issue No.	14
LM End	4.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.820092 °	38.781976 °
				-121.544880 °	-121.603185 °
DWR ID	DWR_RD1000_04_f_2018_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2018.					

Photo 1 of 1 : FA\_2018\_RD1000\_34\_14\_20181108\_00001.jpg



View looking upstream waterside of the well maintained annual Vegetation, Fall 2018.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement